IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Olsen et al.

Appl. No. To be assigned

(Divisional of U.S. Appl. No. 08/994,962;

Filed: December 19, 1997)

Filed: Herewith

Human Oncogene Induced

Secreted Protein I

Art Unit: To be assigned

Examiner: To be assigned

Atty. Docket: 1488.0440003/EKS/PSC

Batch No. To be assigned

Letter to PTO Draftsman: Submission of Formal Drawings

Commissioner for Patents Washington, D.C. 20231

Sir:

For:

Submitted herewith are four (4) sheets of formal drawings with Figures 1A, 1B, 2 and 3, corresponding to the informal drawings submitted with the above-captioned application. Identification of the drawings is provided in accordance with 37 C.F.R. § 1.84(c). Acknowledgment of the receipt, approval, and entry of these formal drawings into this application is respectfully requested.

It is not believed that an extension of time is required, other than any already provided herewith. However, if an extension of time is needed to prevent abandonment of the application, then such extension of time is hereby petitioned. The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036. A duplicate copy of this Letter is enclosed.

Respectfully submitted,

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		1/4	
		TCCCATACAGGCCCCCACCATGAAGGGTTTCACAGCCACTCTCTTCCTCTGGACTCTGAT MetlysGlyPhoTh	
		1 MetLysGlyPheThrAlaThrleuPholauT	
\dashv		M K G F T A a Thr Leu Phe Leu Trn Thri auta	60
_		Add IddCdd (17/2 1/5/5/5/ A A COO	14
	-	S C S G G G G G G S S S S S S S S S S S	120
	12	21 CUACAGUGGCTTGGAAGTGCTCTACCAGAGTTCCCATT	34
	3	rAspSerGlyLeuGluValLeuTyrGlnSerCysAspProLeuGlnAspPheGlyPheSe TGTTGAAAAGTGTTCCAAGCAATTAAAATT	180
	181	TOTTGAAAAGTGTTCCAAGCAATTAAAATCAAATATAA	54
	55	V E K C S K Q L K S N TEASTILEARTH AND THE COLOR OF THE C	240
	241	UAGAGAGACATCAAAGAGCTTTTTCTTGACCTACCTCTCTC	74
	75	R E D I K E L F L D L A ALEUMetSerGInGlySerServe	300
Ç	301	TI IGAA I TTCTCCTATCCCATCTGTGAGGCGCTCTCCCC	94
	95	N F S Y P I C F A A LeuProLysPheSerPheCysGlyAm	360
3	61	AAGGAAAGGAGAGATTTACTATGCTGCCCCTCTCT	114
11	15	gArgLysGlyGluGlnIleTyrTyrAlaGlyProValAsnAsnProGluPheThrIlePr	0.0
4.5		TCAGGGAGAATAGGAGA	20
42		oGInGIvGIuTurga	34
135	5	Q G E Y Q V L L F I V ThrGluLysArgSerThrValAlacu 481	0
481		IGUCAA IGCTACCATTA	ţ
155		A A T I M C S $*$	
541	-	CATCTCGTGGGACCTCQ	
		162 162 162 162 162 162 163 164 165 165 167 168 169 169 169 169 169 169 169 169	

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601	TGACAGAGAGGCTCTACAAAGAAGCGCCCCCAAAGAGTGCAGCTGCTAATTTTAGTCC	660
661	CAGGACCAGACATCCCCAGACTCCACAGATGTAATGAAGTCCCCGAATGTATCTGTTTCT	720
721	AAGGAGCCTCTTGGCAGTCCTTAAGCAGTCTTGAGGGTCCATCCTTTTTCTCTAATTGGT	780
781	CGCCTCCCACCAGACTCACCTGCTTTTCAACTTTTTAGGAGTGCTTCCTCACAGTTACCA	840
841	AGAAATAAAGAAAGCTGGCC	

Nucleotide sequence of Human MD-1 Homolog. Corresponding deduced amino-acid sequence shown below using standard three and one letter abbreviation.

FIG.1B

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Appl. No. To be assigned; Group Art Unit: To be assigned Dkt. No. 1488.0440003/EKS/PSC; ventors: Olsen et al.; Tel: 202/371-2600 de: Human Oncogene Induced Secreted Protein I



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Score = 344 (160.0 bits), Expect = 6.6e-44, P = 6.6e-44 Identities = 60/133 (45%). Positives = 86/133 (64%)

Query: 27 WPTHVVCSDSGLEVLYQSCDPLQDFGFSVEKCSKQLKSNINIRFGIILREDIFELFLDLA 86
WPTH VC + LE+ Y+SCDP QDF FS+++CS +IR ++LR+ IF.EL+ +

Sbjct: 22 WPTHTVCKEENLEIYYKSCDPQQDFAFSIDRCSDVTTHTFDIRAAMVLRQSIKELYAKVD 81

Query: 87 LMSQGSSVLNFSYPICEAALPKFSFCGRRKGEQIYYAGPVNNPEFTIPQGEYQVLLKLYT 146 L+ G +VL++S +C L K FCG++KGE +YY GP+ IPQG+Y + L

Sbjct: 62 LIINGKTVLSYSETLCGPGLSkLIFCGKKKGEHLYYEGPITLGIKEIPQGDYTITARLTN 141

Query: 147 EKRSTVACANATI 159

E R+TVACA+ T+

Sbjct: 142 EDRATVACADFTV 154

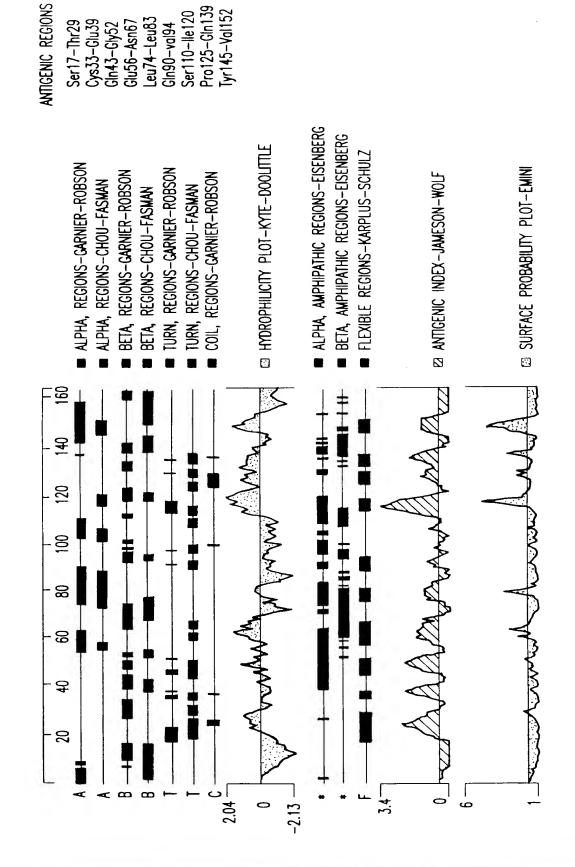
Sequence comparison between human MD-1 protein (upper line) and MD-1 protein from chicken (lower line).

FIG.2

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E (2)